

In the Claims

The following listing of claims replaces all prior versions and listings of claims in the application.

1. (currently amended) A shoulder or hip prosthesis comprising a humeral or femoral component having a concave articulation surface (S_1) and an intermediate component ~~presenting~~ having first and second convex articulation surfaces (S'_1) (S'_2), intended to cooperatively slide when the prosthesis is in use, respectively, against ~~[[with]]~~ said concave articulation surface of said humeral or femoral component and ~~[[with]]~~ against a concave glenoid or cotyloid articulation surface (S_2), natural or belonging to a glenoid or cotyloid component, wherein an arc of a circle (A_1) defined by a locus of instantaneous centers of rotation (C_1) of said first convex articulation surface ~~[[(S_1)]]~~ (S'_1) with respect to the concave humeral or femoral articulation surface (S_1) ~~[[,]]~~ and an arc of a circle (A_2) defined by a locus of ~~[[the]]~~ instantaneous ~~centers~~ center of rotation (C_2) of said second convex articulation surface (S'_2) with respect to said glenoid or cotyloid articulation surface (S_2), ~~[[lie]]~~ are located on opposite sides

of said first convex articulation surface (S'₁) thereby
facilitating movement of abduction of the prosthesis.

2. (currently amended) The prosthesis of Claim 1, wherein
said first convex articulation surface $[(S_1)]$ (S'₁) is located
inside a volume (V) defined by said second convex articulation
surface $[(S_2)]$ (S'₂).

3. (previously presented) The prosthesis of claim 1, wherein
each of said articulation surfaces is substantially in a form
of a portion of a sphere.

4. (currently amended) The prosthesis of Claim 1, wherein the
first convex articulation surface $[(S_1)]$ (S'₁) and the
humeral concave articulation surface $[(S_2)]$ (S'₂) are
cylindrical, with rectilinear generatrix and with circular base,
with their axis of symmetry substantially antero-posterior,
while the second convex articulation surface and the glenoid
articulation surface are substantially in a form of portions of
a sphere.

5. (previously presented) The prosthesis of Claim 1, wherein

said intermediate component comprises a dish forming said second convex articulation surface, and a button within said dish and forming said first convex articulation surface.

6. (currently amended) The prosthesis of Claim 1, wherein said humeral or femoral component includes a plate, forming the concave articulation surface which cooperatively slides with respect said first convex articulation surface and a part to be anchored in the humeral or femoral ~~medullary~~ medullar cavity, and said plate being connected to said part by a linking stem.

7. (original) The prosthesis of Claim 6, wherein said plate is of non-circular shape.

8. (withdrawn-currently amended) The prosthesis of Claim 7, wherein ~~[[the]]~~ a smallest dimension of said plate is disposed parallel to ~~[[the]]~~ a sagittal plane ~~(Figures 7 and 10)~~.

9. (withdrawn-currently amended) The prosthesis of Claim 1, wherein said intermediate component is of ~~substantially~~ bi-convex shape.

10. (previously presented) The prosthesis of Claim 1, including a glenoid or cotyloid component forming said concave glenoid or cotyloid articular surface.

11. (currently amended) The prosthesis of Claim 1, wherein a part forming said first concave articulation surface $[(S_1)]$ (S'_1) of said humeral or femoral component is provided with at least one projection (14) adapted to be engaged in a notch (34) of corresponding shape of said intermediate component.

12. (currently amended) The prosthesis of Claim 1, wherein said intermediate component includes a washer (33) immobilized in a dish forming said second articulation surface, an inner surface of said washer being adapted to limit an amplitude of relative displacement between said humeral or femoral component and said intermediate component.

13. (withdrawn-currently amended) The prosthesis of Claim 1, wherein said humeral or femoral component is in two parts and comprises an anchoring stem on which is mounted an element defining said humeral or femoral concave articulation surface (S₁).